



File System Redesign

Wireframes

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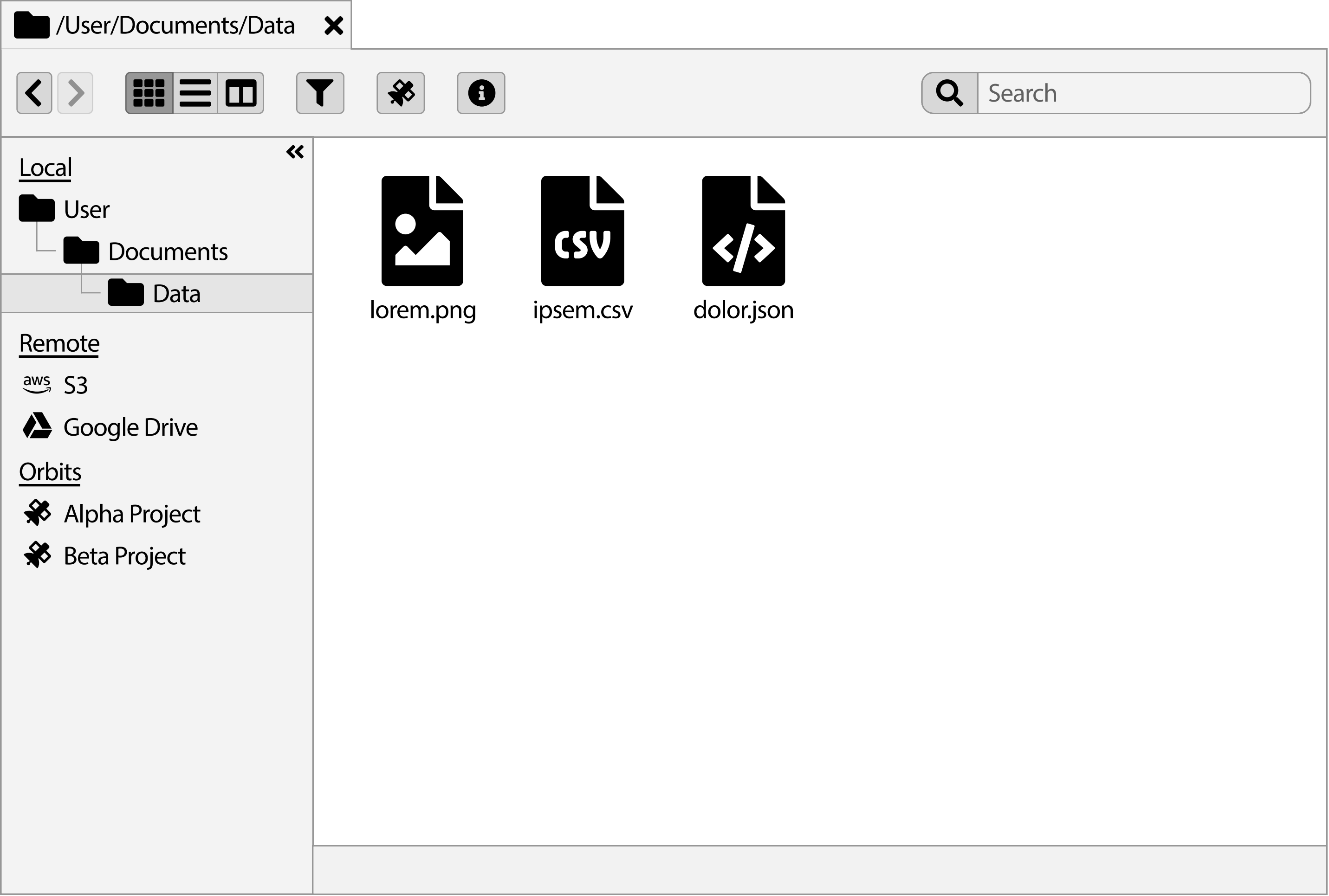


Concept 1

“Mac Finder Lite”

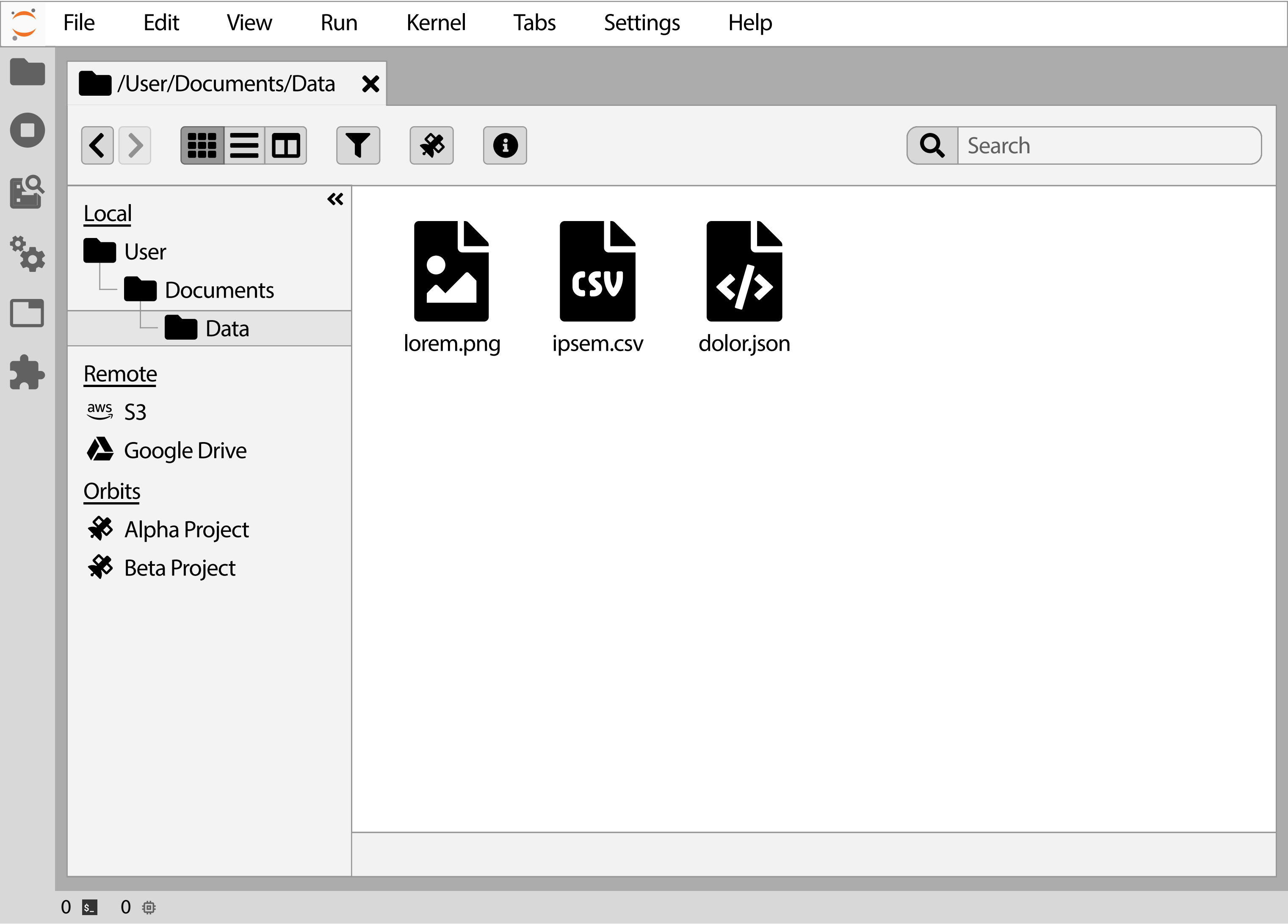
Novice - Intermediate

Base Design



In Context

Click file browser button to open a new file browser tab.



Annotations

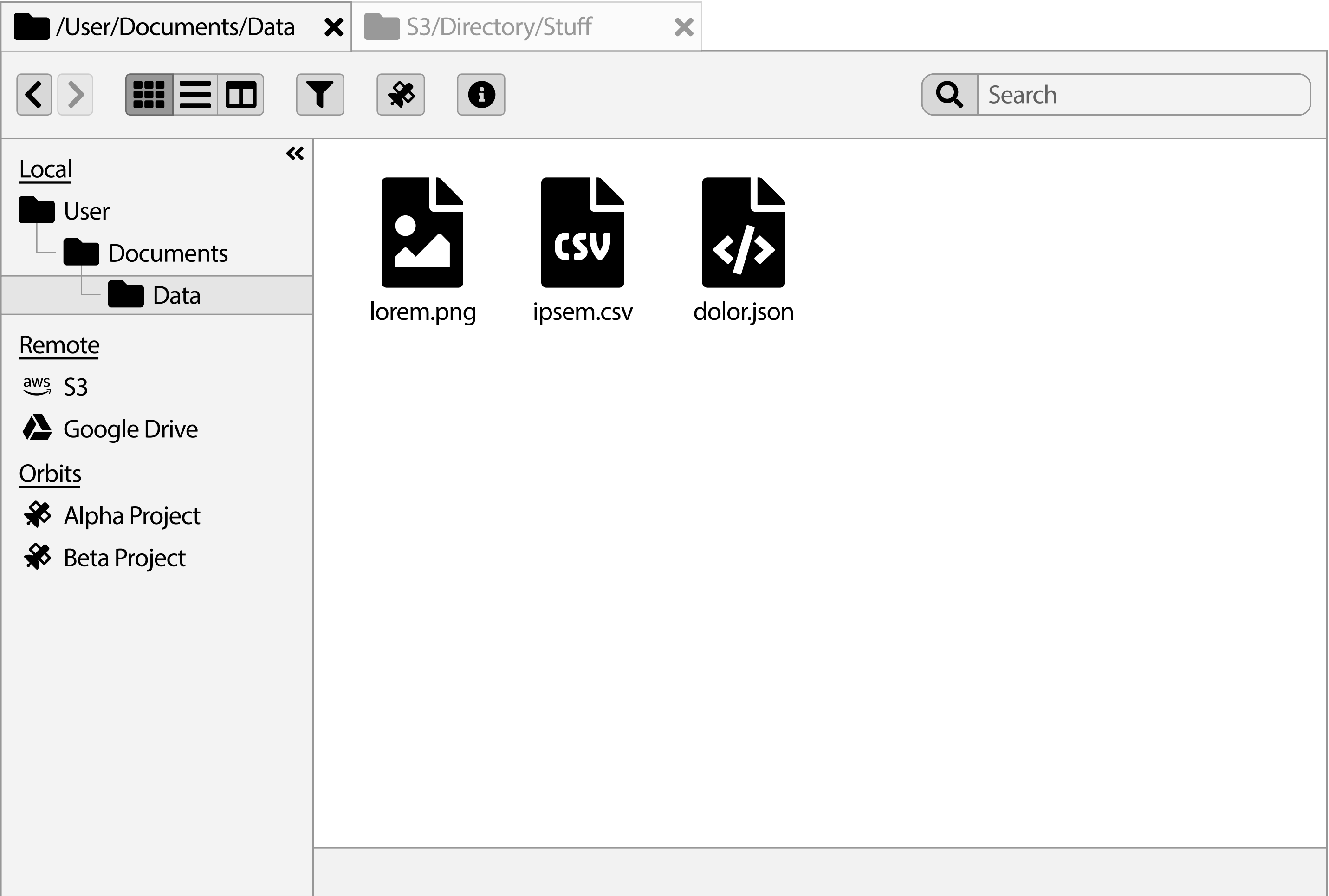
Open multiple tabs of the file browser from the Launcher.

Grid View,
List View,
Column View

Full path visible in
the sidebar.
(Horizontal
scrolling possible
with deep trees.)

Remote data
readily visible,
authentication
modal as needed.

User can add files
to 'orbits',
regardless of file's
location.



Files in Orbit

Orbit: Alpha Project

Folder icon is used for all file browsers; tab name used to distinguish between views.

<

>

Q

Search

Local

User

Remote

aws

S3

Google Drive

Orbits

Alpha Project

Beta Project

alpha.csv

aws

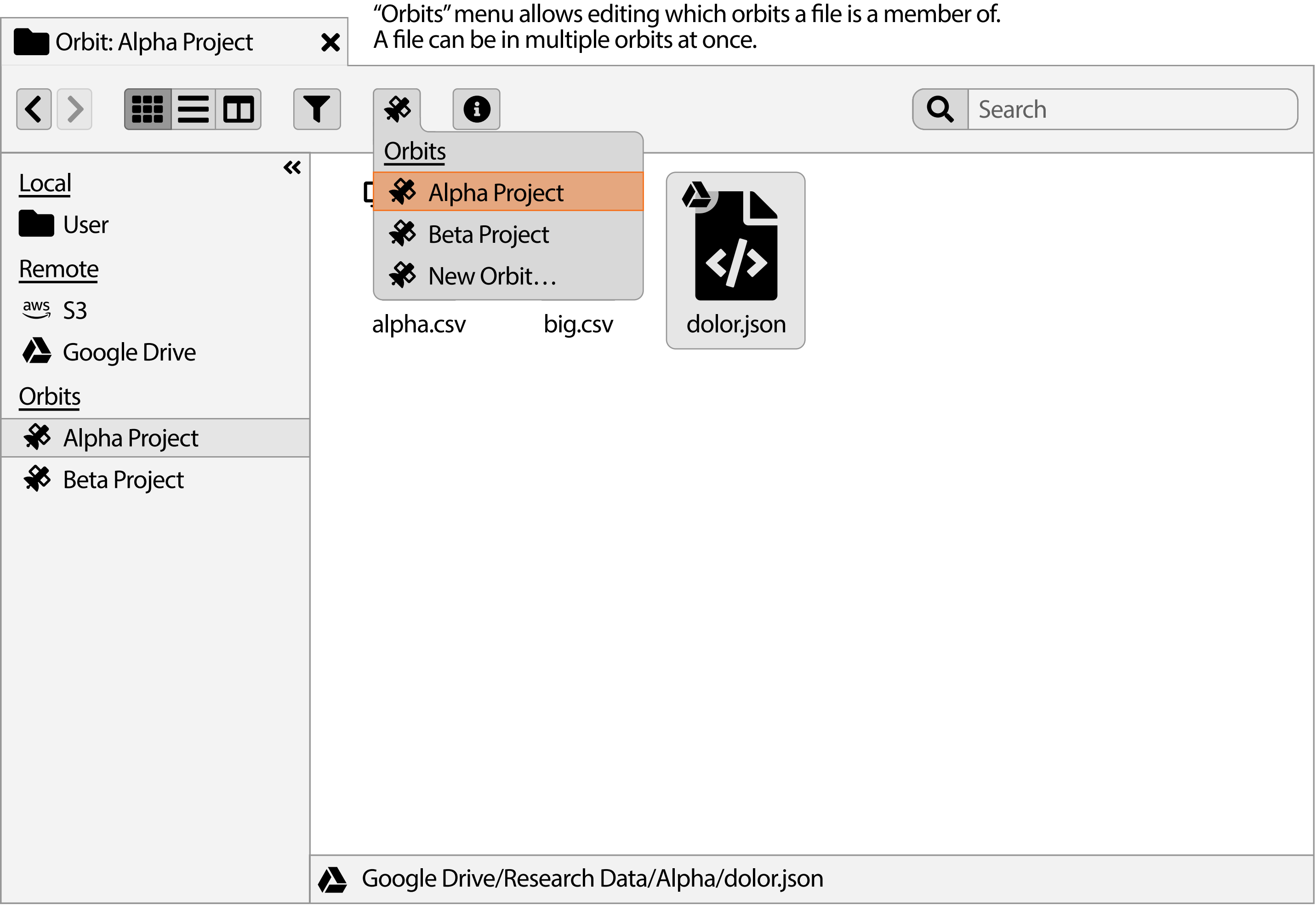
big.csv

dolor.json

Badges indicate where the file is stored.
If you have multiple sources with the same icon, hovering over the badge expands it to show the full name.

5

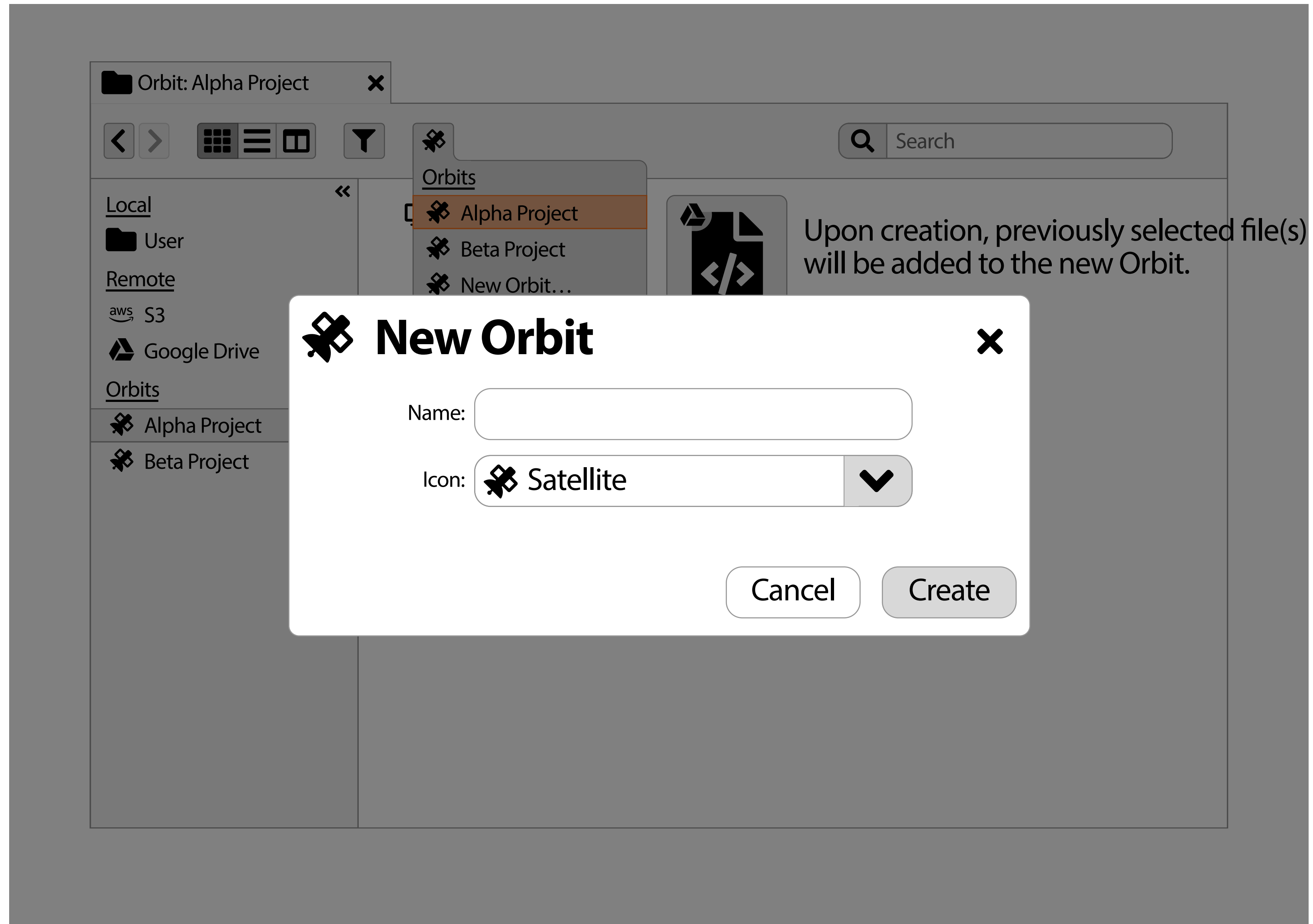
Edit Orbits



Status bar shows path to selected file, beginning with the full name of the source.

Path segments are clickable, and will jump to that location in the file browser.

Create Orbit



File Search

Search: "dog csv" X

Search looks across all connected sources.

<

>

Q

dog csv

Local

User

Remote

aws

S3

Google Drive

Orbits

Alpha Project

Beta Project

CSV

dogs.csv

aws

CSV

pets.csv

Google Drive

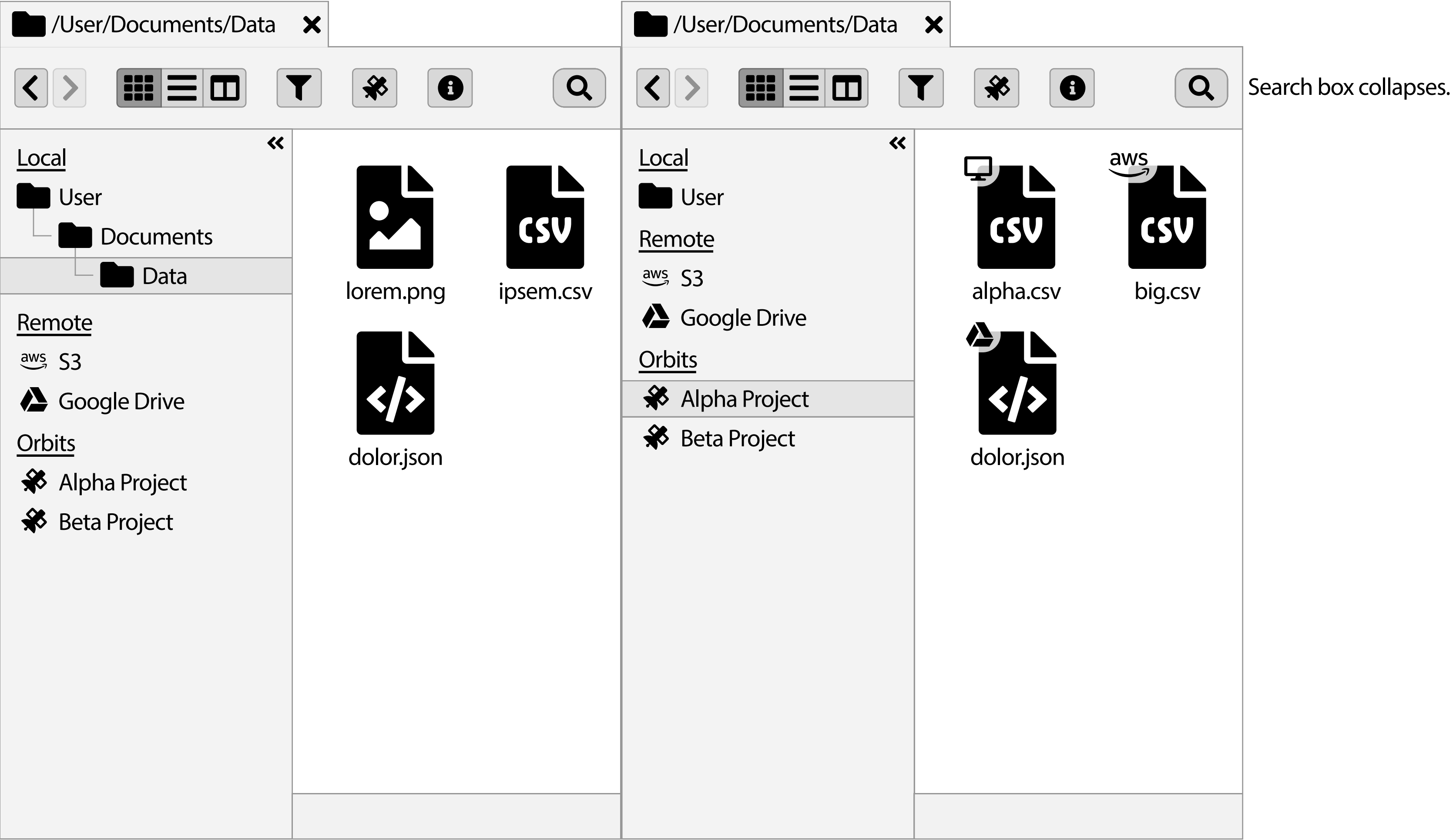
CSV

breeds.csv

Expanded badge (triggered by hover) shows full name of source.

Side-by-Side View

Utilizes Jupyter Lab's existing split screen infrastructure.

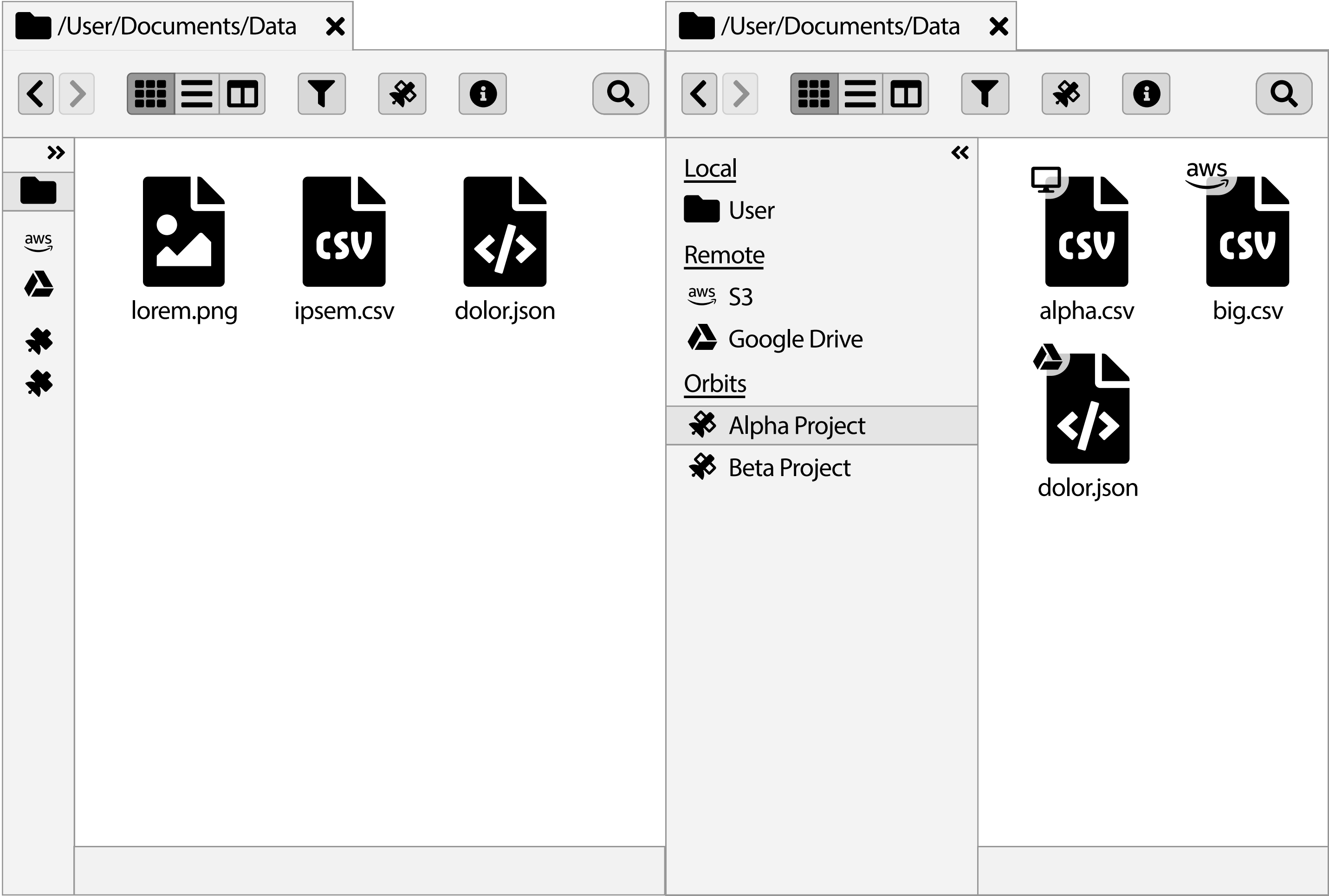


When next to another file browser, can drag-and-drop files between them; when next to a notebook, drag-and-drop a file into the notebook to generate a snippet, automatically importing the file from wherever it is stored.

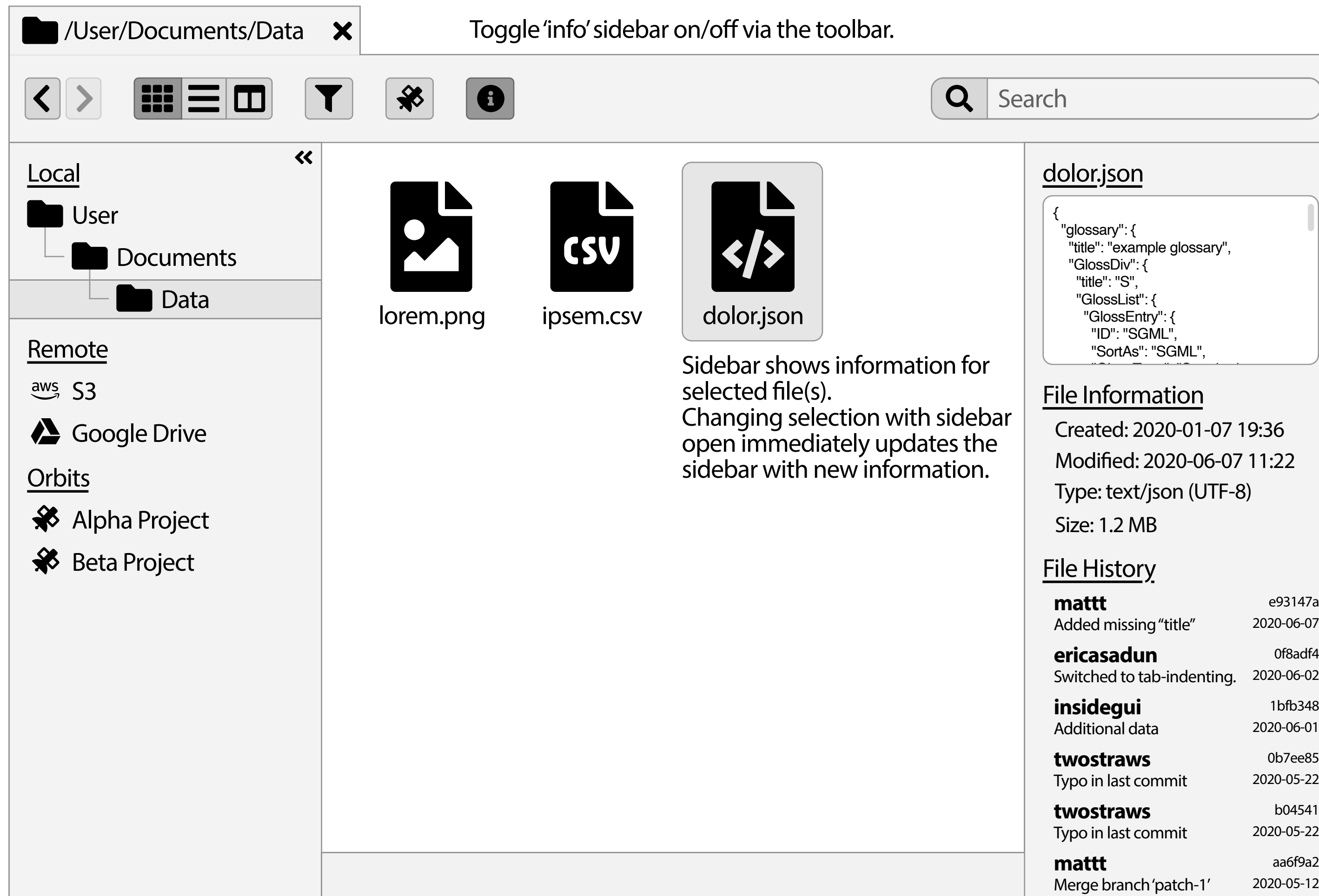
Collapsible Sidebar

Utilizes Jupyter Lab's existing split screen infrastructure.

Sidebar can be collapsed to save space.
Click » to reopen sidebar; if horizontal space is too limited, can open as a slide-over.



When next to another file browser, can drag-and-drop files between them; when next to a notebook, drag-and-drop a file into the notebook to generate a snippet, automatically importing the file from wherever it is stored.



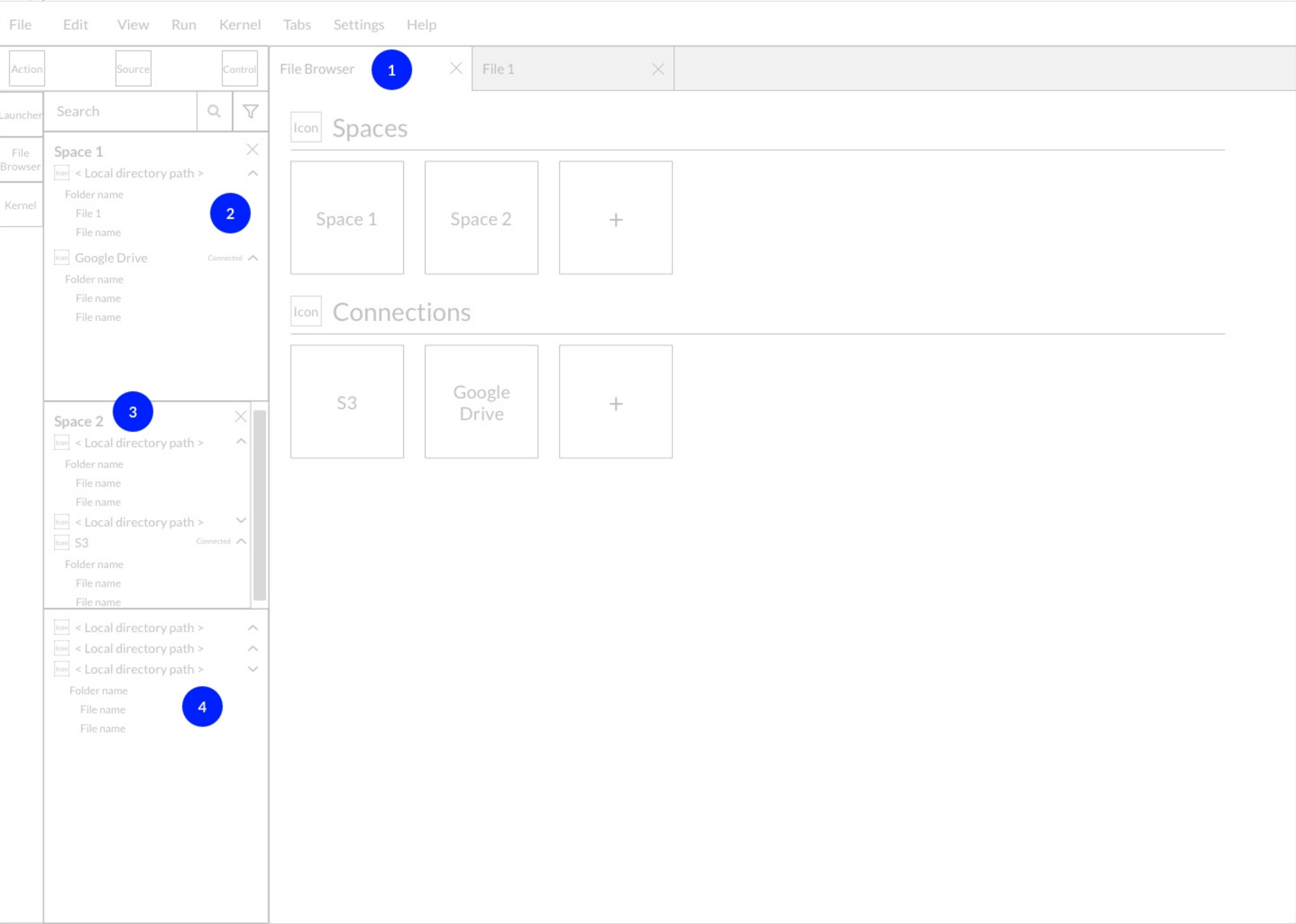
Click on a commit to open a diff view.



Concept 2

“Launcher Add-On”

Intermediate - Expert



Annotations

1. File Browser

User can create spaces and create new connections to third party sources within the File Browser.

The user can drag and drop their created Spaces into the left viewing panel to view and manage files during their workflow process.

2. Left Panel

Users can rearrange their left panel in ways they see fit. They can also drag to change the boxes to change the size of them.

3. Spaces in the left panel

Expand/collapse folders
Connection status displayed

4. Working outside of a Space

Should the user choose to work outside of a Space, the user can open folders from their local or connected sources and are displayed as a separate entity in the left panel.

FileEditViewRunKernelTabsSettingsHelp

ActionSourceControl

File BrowserFile 1

File 1

LauncherSearch

File BrowserSpace 1< Local directory path >Folder nameFile 1File 2Google DriveConnectedFolder nameFile nameFile name

KernelSpace 2< Local directory path >Folder nameFile nameFile name< Local directory path >S3ConnectedFolder nameFile nameFile name< Local directory path >< Local directory path >< Local directory path >Folder nameFile nameFile name

File 1

File Preview

File Meta Data

Revision History

Jana Abumeri	April 23, 2020
Git commit message	< commit hash >
Jana Abumeri	April 23, 2020
Git commit message	< commit hash >
Jana Abumeri	April 23, 2020
Git commit message	< commit hash >
Jana Abumeri	April 23, 2020
Git commit message	< commit hash >
Jana Abumeri	April 23, 2020
Git commit message	< commit hash >

Annotations

1. File content (right panel) - “View” toggle

Users will be able to toggle whether they want to view the file content panel on the right.

Should they toggle the panel from a place like the “View” primary menu item, it will be anchored to the active file in the workspace.

The panel contains a file preview, file meta data, and file revision history.

This panel can be expanded or collapsed.

FileEditViewRunKernelTabsSettingsHelp

ActionSourceControl

File BrowserFile 1

File 2

LauncherSearch

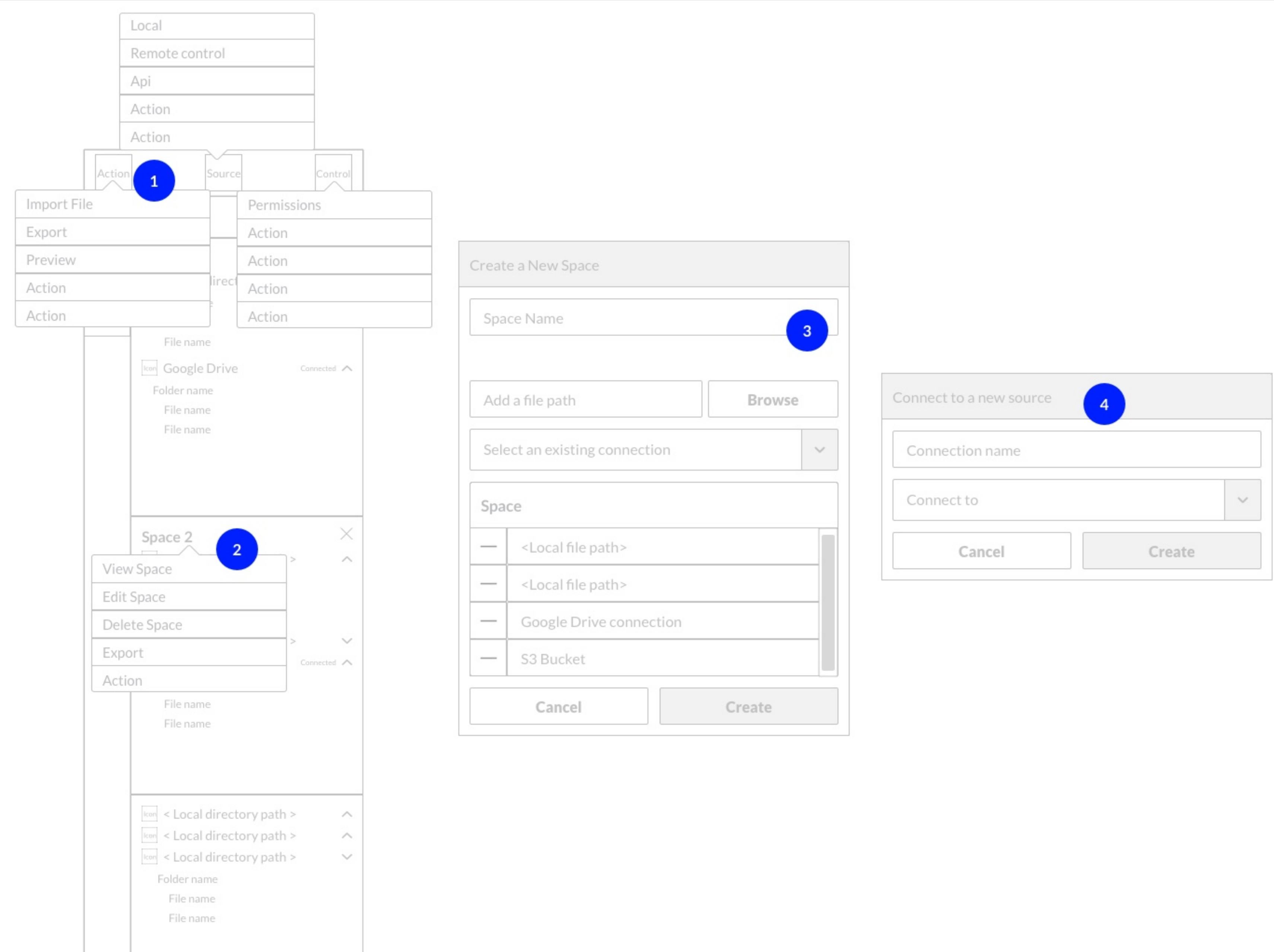
File BrowserSpace 1< Local directory path >Folder nameFile 1File 2File 2Google DriveConnectedFolder nameFile nameFile name

KernelSpace 2< Local directory path >Folder nameFile nameFile name< Local directory path >S3ConnectedFolder nameFile nameFile name< Local directory path >< Local directory path >< Local directory path >Folder nameFile nameFile name

File content (right panel) - R Click toggle

The panel can also be anchored to a file selected-in the left panel. The user would right click the file and toggle the panel to be shown ("View Right Panel").

Even though "File 1" is currently active in the workspace, the user has opted to view the content of "File 2" in the right panel.



Annotations

1. Popups

Popup appears when clicking buttons to perform certain actions relating to file management, sourcing, and control.

2. Right clicks

Right click Space to edit it

3. Create a new Space

A modal appears when a user selects to create a new Space through the File Browser.

The modal controls the screen when it appears and the user must either create a space or cancel their action.

4. Connect to a third party source

A modal appears when a user selects to create a new Connection through the File Browser.

The modal controls the screen when it appears and the user must either connect to a new source or cancel their action.